

**Chemist Review Summary
Cytec – July through August 2012
Wallingford, Connecticut
SDGs 360-41640, 360-41849 and 360-42329**

1.0 INTRODUCTION

Three concrete, eighty-five soil, two sediment, and two groundwater samples were collected between July 12, 2012 and August 23, 2012 at the Cytec Facility, Wallingford, Connecticut. Samples were analyzed by TestAmerica Laboratories, Inc. located in Westfield, Massachusetts (TAL-WFD). Analytical results were reported in TAL sample delivery groups (SDGs) 360-41640, 360-41849, and 360-42329 as indicated in Table 1. The following U.S. Environmental Protection Agency (USEPA) analytical methods (USEPA, 1996a) and State of Connecticut Department of Public Health (CTDPH) analytical method (CTDPH, 1999) were performed:

TAL-WFD

- Semivolatile Organic Compounds (SVOCs) by USEPA Method 8270
- Synthetic Precipitation Leaching Procedure (SPLP) by USEPA Method 1312/8270
- Polychlorinated Biphenyls (PCBs) by USEPA Method 8082
- ETPH by State of CT ETPH
- Alcohols by USEPA Method 8015B
- SPLP Chromium by USEPA Method 1312/6010
- Hexavalent Chromium by USEPA Method 7196A

A chemist review was performed for all analyses to evaluate data quality in support of the Connecticut Department of Environmental Protection Recommended Reasonable Confidence Protocols (RCP) [CTDEP, 2010]. Samples collected in July and August 2012 included in this data evaluation are presented in Table 1. Data quality evaluations were completed using quality control (QC) limits specified by the CTDEP RCP and the subcontract laboratory and are summarized on Table 2. If data quality issues were identified during the review, results were qualified in the final data set and interpretations on data biases provided. Data qualifications were completed using the professional judgment of the validation chemist and general procedures specified in Region I EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (USEPA, 1996).

Data qualifications were completed as necessary in accordance with the guidelines or the professional judgment of the project using the following qualifiers:

J = The reported concentration is considered an estimated value

U = The target compound was not detected above the reporting limit (RL)

UJ = The target compound was not detected and the RL is considered to be estimated

Validation reason codes were applied to results associated with QC measurements outside project QC goals. The validation qualification actions and associated validation reason codes applied to sample results are summarized on Table 3. The following data validation reason codes were applied to one or more sample results:

FD = Field duplicate limit exceeded

HT = Holding time for analysis exceeded

LCS-H = Laboratory Control Sample (LCS) and/or Laboratory Control Sample Duplicate (LCSD) percent recovery greater than upper limit

LCS-L = LCS and/or LCSD percent recovery less than lower limit

MS-H = Matrix spike (MS) and/or matrix spike duplicate (MSD) percent recovery greater than upper limit

MS-L = MS and/or MSD percent recovery less than lower limit

MS-RPD = MS/MSD relative percent difference (RPD) limit exceeded

A complete summary of final sample results is provided in Table 4.

Data were evaluated for the following parameters as applicable:

- * Collection and Preservation
- Holding Times
- * Data Completeness
- * Blank Contamination
- * Laboratory Duplicates
- Field Duplicates
- * Surrogates
- MS/MSD
- LCS/LCSD
- Reporting limits
- Miscellaneous

* - all criteria were met for this parameter

In addition to the above quality control evaluations performed as part of the chemist review, any problems with instrument calibration and target compound quantitation as noted in the case narratives are summarized in applicable sections below. A review of these potential QC issues however is outside the scope of the chemist review; therefore, the identified problems are documented below, but data qualifiers have not been applied for these potential issues.

A subset of samples was analyzed at dilution due to high target compound concentrations and/or matrix interference. Reporting limits for non-detect results are elevated.

With the exception of the following items discussed below, results were determined to be usable as reported by the laboratory.

2.0 SVOCs

Holding Times

360-42329 – Samples SB109609, SB109621, SB109709, and SB109720 were extracted 9 days outside the 14 days holding time and were analyzed for aniline only. Aniline was not detected in samples SB109609, SB109621, SB109709, and SB109720 and reporting limits were qualified as estimated (UJ).

Field Duplicates

360-41640 – Sample SB109403 reported dibenzofuran as not detected while its field duplicate SB109403 DUP reported a detection of dibenzofuran. Results for dibenzofuran in samples SB109403 and SB109403 DUP were qualified as estimated (UJ/J).

LCS/LCSD

360-41640 – The LCS/LCSD associated with samples SB109002, SB109403, SB109403 DUP, and SB109102 had percent recoveries less than the lower QC limit of 40 for 4-chloroaniline (38), aniline (22/24), hexachlorocyclopentadiene (37), and pyridine (36/37), which may indicate low bias. 4-Chloroaniline, aniline, hexachlorocyclopentadiene, and pyridine were not detected in samples SB109002, SB109403, SB109403 DUP, and SB109102 and reporting limits were qualified as estimated (UJ).

360-42329 – The LCS/LCSD associated with samples SB109609, SB109621, SB109709, and SB109720 had percent recoveries less than the lower QC limit of 40 for aniline (23/26), which may indicate low bias. Aniline was not detected in samples SB109609, SB109621, SB109709, and SB109720 and reporting limits were qualified as estimated (UJ).

Miscellaneous

360-41640 – The case narrative noted that the continuing calibration verification (CCV) associated with analytical batch 93488 exceeded control criteria for 3,3-dichlorobenzidine and 4-nitroaniline.

360-41640 – The case narrative noted that the CCV associated with analytical batch 93542 exceeded control criteria for 2,4-dinitrotoluene and 4-nitroaniline.

3.0 SPLP SVOCs

LCS/LCSD

360-41640 – The LCS/LCSD associated with samples SB109002, SB109403, SB109403 DUP, and SB109102 had percent recoveries less than the lower QC limit of 30 for 4-nitrophenol (18/22) and phenol (16/18), and percent recoveries less than the lower QC limit of 40 for aniline (22/20), hexachlorocyclopentadiene (24/29), and pyridine (20/15), which may indicate low bias. 4-Nitrophenol, aniline, hexachlorocyclopentadiene, phenol, and pyridine were not detected in samples SB109002, SB109403, SB109403 DUP, and SB109102 and reporting limits were qualified as estimated (UJ).

Miscellaneous

360-41640 – The case narrative noted that the CCV associated with analytical batch 93561 exceeded control criteria for 4-bromo phenyl phenyl ether, 4,6-dinitro-2-methylphenol, 2,4-dinitrophenol, bis(2-ethylhexyl)phthalate, and hexachlorocyclopentadiene.

360-41640 – The case narrative noted that the CCV associated with analytical batch 93597 exceeded control criteria for 2-nitrophenol, butyl benzyl phthalate, 4-bromo phenyl phenyl ether, and bis(2-ethylhexyl)phthalate

4.0 PCBs

Field Duplicates

360-41640 – The RPD between sample SS-199 and its field duplicate SS-199 DUP exceeded the QC limit of 50 for PCB-1254 (81). The detections of PCB-1254 in samples SS-199 and SS-199 DUP were qualified as estimated (J).

MS/MSD

360-41849 – The MS/MSD associated with sample SS-203 and its field duplicate SS-203 DUP had percent recoveries greater than the upper QC limit of 140 for PCB-1016 (272/193) and PCB-1260 (257/195), which may indicate high bias. Detections of PCB-1248 and PCB-1254 in samples SS-203 and SS-203 DUP were qualified as estimated (J).

LCS/LCSD

360-41640 – The LCS/LCSD associated with a subset of samples had percent recoveries greater than the upper QC limit of 140 for PCB-1260, which may indicate high bias. Detections of PCB-1248 and PCB-1254 in associated samples SS-198, SS-199, SS-199 DUP, SS-200, SS-201, SS-202, SS-165, SS-166, SS-166 DUP, and SS-162 were qualified as estimated (J).

Miscellaneous

360-41640 – The case narrative noted that the CCV associated with analytical batch 93482 recovered high for PCB 1016 and PCB 1260 on both columns. Associated soil samples were reported as not detected.

360-42329 – The case narrative noted that the CCV associated with analytical batch 94684 recovered low for PCB 1260 on the primary column.

5.0 ETPH

MS/MSD

360-41640 – The MS/MSD associated with sample SS-195 and its field duplicate SS-195 DUP had a percent recovery less than the lower QC limit of 50 for ETPH (-13), which may indicate low bias, and a RPD outside the QC limit of 30 for ETPH (34). ETPH detections in samples SS-195 and SS-195 DUP were qualified as estimated (J).

6.0 Alcohols

Miscellaneous

360-42329 – The case narrative noted that the opening and closing CCVs associated with analytical batch 94928 failed criteria high for n-butanol. The analyte was not detected in the associated samples.

7.0 SPLP Chromium

No data quality issues were identified and results are interpreted to be usable as reported by the laboratory.

8.0 Hexavalent Chromium

No data quality issues were identified and results are interpreted to be usable as reported by the laboratory.

References:

U.S. Environmental Protection Agency (USEPA), 1996. "Region 1 EPA-NE Data Validation Guidelines For Evaluating Environmental Analyses"; Quality Assurance Unit Staff; Office of Environmental Measurement and Evaluation; December 1996.

State of Connecticut Department of Public Health (CTDPH), 1999. "Analysis of Extractable Total Petroleum Hydrocarbons (ETPH) Using Methylene Chloride, Gas Chromatograph/Flame Ionization Detection." Prepared by Environmental Research Institute, University of Connecticut, March, 1999.

State of Connecticut Department of Environmental Protection, 2010. "Laboratory Quality Assurance and Quality Control Guidance Reasonable Confidence Protocols Guidance Document" November, 2007, Revised December 2010.

State of Connecticut Department of Environmental Protection, 2010. "Laboratory Quality Assurance and Quality Control Data Quality Assessment and Data Usability Evaluation Guidance Document" May, 2009, Revised December 2010.

Data Validator: Bradley B. LaForest, NRCC-EAC



September 28, 2012

TABLE 1
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

SDG	Media	Location	Sample Date	Sample ID	Class	Analysis Method	Qc Code	SVOC	SVOC	PCBs	Metals	Alcohol	hex chrome	ORP	Solids	pH	TPH/ETPH
								8270 Total	8270 SPLP	8082 Total	6010 SPLP	8015B Total	7196A Total	SM 2580B Total	Moisture Total	9045C Total	CT ETPH Total
360-41640-1	SOIL	CC-10	7/12/2012	CC-10	FS			X							X		
360-41640-1	SOIL	CC-11	7/12/2012	CC-11	FS			X							X		
360-41640-1	SOIL	CC-9	7/12/2012	CC-9	FS			X							X		
360-41640-1	SOIL	SB-1087	7/18/2012	SB-108702	FS										X		X
360-41640-1	SOIL	SB-1088	7/19/2012	SB-108802	FS			X							X		X
360-41640-1	SOIL	SB1090	7/12/2012	SB109002	FS		X	X							X		
360-41640-1	SOIL	SB1091	7/12/2012	SB109102	FS		X	X							X		
360-41640-1	SOIL	SB1094	7/12/2012	SB109403	FS		X	X							X		
360-41640-1	SOIL	SB1094	7/12/2012	SB109403 DUP	FD		X	X							X		
360-41640-1	SOIL	SS-159	7/18/2012	SS-159	FS										X		X
360-41640-1	SOIL	SS-160	7/18/2012	SS-160	FS										X		X
360-41640-1	SOIL	SS-161	7/18/2012	SS-161	FS										X		X
360-41640-1	SOIL	SS-162	7/19/2012	SS-162	FS					X					X		X
360-41640-1	SOIL	SS-163	7/19/2012	SS-163	FS					X					X		X
360-41640-1	SOIL	SS-164	7/19/2012	SS-164	FS					X					X		X
360-41640-1	SOIL	SS-165	7/19/2012	SS-165	FS					X					X		X
360-41640-1	SOIL	SS-166	7/19/2012	SS-166	FS					X					X		X
360-41640-1	SOIL	SS-166	7/19/2012	SS-166DUP	FD					X					X		X
360-41640-1	SOIL	SS-167	7/19/2012	SS-167	FS					X					X		X
360-41640-1	SOIL	SS-194	7/20/2012	SS-194	FS					X					X		X
360-41640-1	SOIL	SS-195	7/20/2012	SS-195	FS					X					X		X
360-41640-1	SOIL	SS-195	7/20/2012	SS-195DUP	FD					X					X		X
360-41640-1	SOIL	SS-196	7/20/2012	SS-196	FS					X					X		X
360-41640-1	SOIL	SS-197	7/20/2012	SS-197	FS					X					X		X
360-41640-1	SOIL	SS-198	7/17/2012	SS-198	FS					X					X		
360-41640-1	SOIL	SS-199	7/17/2012	SS-199	FS					X					X		
360-41640-1	SOIL	SS-199	7/17/2012	SS-199DUP	FD					X					X		
360-41640-1	SOIL	SS-200	7/17/2012	SS-200	FS					X					X		
360-41640-1	SOIL	SS-201	7/17/2012	SS-201	FS					X					X		
360-41640-1	SOIL	SS-202	7/17/2012	SS-202	FS					X					X		
360-41640-1	SOIL	SS-210	7/20/2012	SS-210	FS					X					X		X
360-41640-1	BW	QC	7/18/2012	QS-S-071812	EB					X							X
360-41640-1	BW	QC	7/19/2012	QS-S-071912	EB					X							X
360-41640-1	BW	QC	7/20/2012	QS-S-072012	EB					X							X
360-41849-1	GW	P-125	7/24/2012	P-125	FS							X					
360-41849-1	GW	P-126	7/23/2012	P-126	FS							X					
360-41849-1	SOIL	SB-1109	7/23/2012	SB-110902	FS										X		X
360-41849-1	SOIL	SB-1110	7/23/2012	SB-111002	FS										X		X
360-41849-1	SOIL	SB-1111	7/30/2012	SB-111102	FS					X					X		
360-41849-1	SOIL	SB-1112	7/30/2012	SB-111202	FS					X					X		

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								8270 Total	8270 SPLP	8082 Total	6010 SPLP	8015B Total	7196A Total	SM 2580B Total	Moisture Total	9045C Total	CT ETPH Total
360-41849-1	SOIL	SB-1113	7/30/2012	SB-111302	FS			X							X		
360-41849-1	SOIL	SB-1114	7/30/2012	SB-111402	FS			X						X	X	X	X
360-41849-1	SOIL	SS-168	7/24/2012	SS-168	FS								X	X	X	X	X
360-41849-1	SOIL	SS-168	7/24/2012	SS-168DUP	FD							X	X	X	X	X	X
360-41849-1	SOIL	SS-169	7/24/2012	SS-169	FS							X	X	X	X	X	X
360-41849-1	SOIL	SS-170	7/24/2012	SS-170	FS							X	X	X	X	X	X
360-41849-1	SOIL	SS-172	7/31/2012	SS-172	FS				X						X		
360-41849-1	SOIL	SS-173	7/31/2012	SS-173	FS				X						X		
360-41849-1	SOIL	SS-174	7/31/2012	SS-174	FS				X						X		
360-41849-1	SOIL	SS-175	7/31/2012	SS-175	FS				X						X		
360-41849-1	SOIL	SS-176	7/31/2012	SS-176	FS				X						X		
360-41849-1	SOIL	SS-177	7/31/2012	SS-177	FS				X						X		
360-41849-1	SOIL	SS-179	7/31/2012	SS-179	FS				X						X		
360-41849-1	SOIL	SS-180	7/31/2012	SS-180	FS				X						X		
360-41849-1	SOIL	SS-181	8/3/2012	SS-181	FS				X						X		
360-41849-1	SOIL	SS-182	8/3/2012	SS-182	FS				X						X		
360-41849-1	SOIL	SS-183	8/3/2012	SS-183	FS				X						X		
360-41849-1	SOIL	SS-184	8/3/2012	SS-184	FS				X						X		
360-41849-1	SOIL	SS-185	8/3/2012	SS-185	FS				X						X		
360-41849-1	SOIL	SS-186	7/30/2012	SS-186	FS				X						X		
360-41849-1	SOIL	SS-187	7/30/2012	SS-187	FS				X						X		
360-41849-1	SOIL	SS-188	7/30/2012	SS-188	FS				X						X		
360-41849-1	SOIL	SS-189	7/30/2012	SS-189	FS				X						X		
360-41849-1	SOIL	SS-190	7/30/2012	SS-190	FS				X						X		
360-41849-1	SOIL	SS-203	7/27/2012	SS-203	FS				X						X		
360-41849-1	SOIL	SS-203	7/27/2012	SS-203DUP	FD				X						X		
360-41849-1	SOIL	SS-204	7/27/2012	SS-204	FS				X						X		
360-41849-1	SOIL	SS-205	7/27/2012	SS-205	FS				X						X		
360-41849-1	SOIL	SS-206	7/27/2012	SS-206	FS				X						X		
360-41849-1	SOIL	SS-207	7/27/2012	SS-207	FS				X						X		
360-41849-1	SOIL	SS-208	7/27/2012	SS-208	FS				X						X		
360-41849-1	SOIL	SS-209	7/27/2012	SS-209	FS				X						X		
360-41849-1	SOIL	SS-98	7/26/2012	SS-98	FS										X		X
360-41849-1	SOIL	SS-99	7/26/2012	SS-99	FS										X		X
360-41849-1	BW	QC	7/25/2012	QS-S-072512	EB									X			
360-41849-1	BW	QC	7/31/2012	QS-S-073112	EB				X								
360-41849-1	SED	SD-T3-N	7/25/2012	SD-T3-N00	FS				X						X		
360-41849-1	SED	SD-T3-N	7/25/2012	SD-T3-N02	FS				X						X		
360-42329-1	BW	QC	8/24/2012	QS-S-082412	EB								X				
360-42329-1	Soil	SB-1089	8/22/2012	SB-108902	FS				X						X		X

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SDG	Media	Location	Sample Date	Sample ID	Qc Code	Class	SVOC	SVOC	PCBs	Metals	Alcohol	hex chrome	ORP	Solids	pH	TPH/ETPH
						Analysis Method	8270 Total	8270 SPLP	8082 Total	6010 SPLP	8015B Total	7196A Total	SM 2580B Total	Moisture Total	9045C Total	CT ETPH Total
Fraction																
360-42329-1	Soil	SB-1096	8/20/2012	SB-109609	FS	X	X						X			
360-42329-1	Soil	SB-1096	8/20/2012	SB-109621	FS	X	X						X			
360-42329-1	Soil	SB-1097	8/20/2012	SB-109709	FS	X	X						X			
360-42329-1	Soil	SB-1097	8/20/2012	SB-109720	FS	X	X						X			
360-42329-1	Soil	SB-1098	8/20/2012	SB-109801	FS					X		X	X		X	
360-42329-1	Soil	SB-1098	8/20/2012	SB-109801 DUP	FD					X			X		X	
360-42329-1	Soil	SB-1098	8/20/2012	SB-109821	FS					X			X		X	
360-42329-1	Soil	SB-1105	8/23/2012	SB-110500	FS					X			X		X	
360-42329-1	Soil	SB-1105	8/23/2012	SB-110500DUP	FD					X			X		X	
360-42329-1	Soil	SB-1105	8/23/2012	SB-110502	FS					X			X		X	
360-42329-1	Soil	SB-1106	8/23/2012	SB-110600	FS					X			X		X	
360-42329-1	Soil	SB-1107	8/21/2012	SB-110714	FS					X			X		X	X
360-42329-1	Soil	SB-1107	8/21/2012	SB-110722	FS					X			X		X	X
360-42329-1	Soil	SB-1108	8/21/2012	SB-110802	FS					X			X		X	X
360-42329-1	Soil	SS-171	8/22/2012	SS-171	FS					X			X		X	
360-42329-1	Soil	SS-191	8/21/2012	SS-191	FS								X		X	
360-42329-1	Soil	SS-192	8/21/2012	SS-192	FS								X		X	
360-42329-1	Soil	SS-193	8/21/2012	SS-193	FS								X		X	

Notes:

BW = Blank Water

EB = Equipment Blank

ETPH = Extractable Total Petroleum Hydrocarbons

FD = Field Duplicate

FS = Field Sample

GW = Groundwater

ORP = Oxidation Reduction Potential

PCB = Polychlorinated Biphenyls

SDG = Sample Delivery Group

SED = Sediment

SPLP = Synthetic Precipitation Leaching Procedure

SVOC = Semivolatile Organic Compound

QC = Quality Control

TABLE 2
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

PARAMETER	QC TEST	ANALYTE	WATER (%R)	WATER (RPD)	SOIL (%R)	SOIL (RPD)
SVOCs	Surrogate	Base-Neutral Compounds	30 - 130	NA	30 - 130	NA
		Acid Compounds	NA	NA	30 - 130	NA
	Field Duplicate	All Target Compounds	NA	NA	NA	50
	LCS	Base-Neutral Compounds	40 - 140	NA	40 - 140	NA
		Acid Compounds	NA	NA	30 - 130	NA
	MS/MSD	Base-Neutral Compounds	NA	NA	40 - 140	30
		Acid Compounds	NA	NA	30 - 130	30
PCBs	Surrogate	All Surrogates	NA	NA	30 - 150	NA
	Field Duplicate	All Target Compounds	NA	NA	NA	50
	LCS	All Target Compounds	NA	NA	40 - 140	NA
	MS/MSD	All Target Compounds	NA	NA	40 - 140	50
ETPH	Surrogate	All Surrogates	NA	NA	50 - 150	NA
	Field Duplicate	All Target Compounds	NA	NA	NA	50
	LCS	All Target Compounds	NA	NA	60 - 120	NA
	MS/MSD	All Target Compounds	NA	NA	50 - 150	30
Metals	Lab Duplicate	All Metals	NA	20	NA	35
	Field Duplicate	All Metals	NA	30	NA	50
	LCS	All Metals	80 - 120	NA	80 - 120	NA
	MS/MSD	All Metals	75 - 125	20	75 - 125	35
Alcohols	Surrogates	All Target Compounds	Lab Limits	NA	NA	NA
	Field Duplicate	All Target Compounds	NA	30	NA	50
	LCS	All Target Compounds	Lab Limits	NA	Lab Limits	NA
	MS/MSD	All Target Compounds	Lab Limits	Lab Limits	Lab Limits	Lab Limits

Notes:

ETPH = Extractable Total Petroleum Hydrocarbons

LCS = Laboratory Control Sample

Metals - includes Hexavalent chromium

MS/MSD = Matrix spike/ Matrix Spike Duplicate

NA = Not Applicable

PCBs = Polychlorinated Biphenyl

%R = Percent Recovery

QC = Quality Control

RPD = Relative Percent Difference

SVOCs = Semivolatile Organic Compounds

TABLE 3
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

SDG	Method	Lab Sample Id	Field Sample ID	Paramater Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Units
360-41640-1	8082	360-41640-10	SS-200	Aroclor-1248	370		370	J	LCS-H	ug/Kg
360-41640-1	8082	360-41640-10	SS-200	Aroclor-1254	250		250	J	LCS-H	ug/Kg
360-41640-1	8082	360-41640-11	SS-201	Aroclor-1248	210		210	J	LCS-H	ug/Kg
360-41640-1	8082	360-41640-11	SS-201	Aroclor-1254	200		200	J	LCS-H	ug/Kg
360-41640-1	8082	360-41640-12	SS-202	Aroclor-1248	270		270	J	LCS-H	ug/Kg
360-41640-1	8082	360-41640-12	SS-202	Aroclor-1254	310		310	J	LCS-H	ug/Kg
360-41640-1	8082	360-41640-13	SS-199DUP	Aroclor-1248	290		290	J	LCS-H	ug/Kg
360-41640-1	8082	360-41640-13	SS-199DUP	Aroclor-1254	450		450	J	FD,LCS-H	ug/Kg
360-41640-1	8082	360-41640-19	SS-165	Aroclor-1248	550		550	J	LCS-H	ug/Kg
360-41640-1	8082	360-41640-19	SS-165	Aroclor-1254	360		360	J	LCS-H	ug/Kg
360-41640-1	8082	360-41640-20	SS-166	Aroclor-1254	140		140	J	LCS-H	ug/Kg
360-41640-1	8082	360-41640-21	SS-166DUP	Aroclor-1254	140		140	J	LCS-H	ug/Kg
360-41640-1	8082	360-41640-23	SS-162	Aroclor-1254	120		120	J	LCS-H	ug/Kg
360-41640-1	8082	360-41640-8	SS-198	Aroclor-1248	3400		3,400	J	LCS-H	ug/Kg
360-41640-1	8082	360-41640-8	SS-198	Aroclor-1254	1600		1,600	J	LCS-H	ug/Kg
360-41640-1	8082	360-41640-9	SS-199	Aroclor-1248	340		340	J	LCS-H	ug/Kg
360-41640-1	8082	360-41640-9	SS-199	Aroclor-1254	190		190	J	FD,LCS-H	ug/Kg
360-41640-1	8270	360-41640-4	SB109002	4-Chloroaniline	70	U*	70	UJ	LCS-L	ug/Kg
360-41640-1	8270	360-41640-4	SB109002	4-Nitrophenol	25	U*	25	UJ	LCS-L	ug/L
360-41640-1	8270	360-41640-4	SB109002	Aniline	25	U*	25	UJ	LCS-L	ug/L
360-41640-1	8270	360-41640-4	SB109002	Aniline	35	U*	35	UJ	LCS-L	ug/Kg
360-41640-1	8270	360-41640-4	SB109002	Hexachlorocyclopentadiene	25	U*	25	UJ	LCS-L	ug/L
360-41640-1	8270	360-41640-4	SB109002	Hexachlorocyclopentadiene	70	U*	70	UJ	LCS-L	ug/Kg
360-41640-1	8270	360-41640-4	SB109002	Phenol	25	U*	25	UJ	LCS-L	ug/L
360-41640-1	8270	360-41640-4	SB109002	Pyridine	170	U*	170	UJ	LCS-L	ug/Kg
360-41640-1	8270	360-41640-4	SB109002	Pyridine	25	U*	25	UJ	LCS-L	ug/L
360-41640-1	8270	360-41640-5	SB109403	4-Chloroaniline	350	U*	350	UJ	LCS-L	ug/Kg
360-41640-1	8270	360-41640-5	SB109403	4-Nitrophenol	25	U*	25	UJ	LCS-L	ug/L
360-41640-1	8270	360-41640-5	SB109403	Aniline	170	U*	170	UJ	LCS-L	ug/Kg
360-41640-1	8270	360-41640-5	SB109403	Aniline	25	U*	25	UJ	LCS-L	ug/L
360-41640-1	8270	360-41640-5	SB109403	Dibenzofuran	170	U	170	UJ	FD	ug/Kg
360-41640-1	8270	360-41640-5	SB109403	Hexachlorocyclopentadiene	25	U*	25	UJ	LCS-L	ug/L
360-41640-1	8270	360-41640-5	SB109403	Hexachlorocyclopentadiene	350	U*	350	UJ	LCS-L	ug/Kg
360-41640-1	8270	360-41640-5	SB109403	Phenol	25	U*	25	UJ	LCS-L	ug/L
360-41640-1	8270	360-41640-5	SB109403	Pyridine	25	U*	25	UJ	LCS-L	ug/L
360-41640-1	8270	360-41640-5	SB109403	Pyridine	870	U*	870	UJ	LCS-L	ug/Kg
360-41640-1	8270	360-41640-6	SB109403 DUP	4-Chloroaniline	140	U*	140	UJ	LCS-L	ug/Kg
360-41640-1	8270	360-41640-6	SB109403 DUP	4-Nitrophenol	25	U*	25	UJ	LCS-L	ug/L
360-41640-1	8270	360-41640-6	SB109403 DUP	Aniline	25	U*	25	UJ	LCS-L	ug/L
360-41640-1	8270	360-41640-6	SB109403 DUP	Aniline	69	U*	69	UJ	LCS-L	ug/Kg
360-41640-1	8270	360-41640-6	SB109403 DUP	Dibenzofuran	140		140	J	FD	ug/Kg
360-41640-1	8270	360-41640-6	SB109403 DUP	Hexachlorocyclopentadiene	140	U*	140	UJ	LCS-L	ug/Kg
360-41640-1	8270	360-41640-6	SB109403 DUP	Hexachlorocyclopentadiene	25	U*	25	UJ	LCS-L	ug/L
360-41640-1	8270	360-41640-6	SB109403 DUP	Phenol	25	U*	25	UJ	LCS-L	ug/L
360-41640-1	8270	360-41640-6	SB109403 DUP	Pyridine	25	U*	25	UJ	LCS-L	ug/L
360-41640-1	8270	360-41640-6	SB109403 DUP	Pyridine	350	U*	350	UJ	LCS-L	ug/Kg

TABLE 3
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

SDG	Method	Lab Sample Id	Field Sample ID	Paramater Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Units
360-41640-1	8270	360-41640-7	SB109102	4-Chloroaniline	69	U*	69	UJ	LCS-L	ug/Kg
360-41640-1	8270	360-41640-7	SB109102	4-Nitrophenol	25	U*	25	UJ	LCS-L	ug/L
360-41640-1	8270	360-41640-7	SB109102	Aniline	25	U*	25	UJ	LCS-L	ug/L
360-41640-1	8270	360-41640-7	SB109102	Aniline	34	U*	34	UJ	LCS-L	ug/Kg
360-41640-1	8270	360-41640-7	SB109102	Hexachlorocyclopentadiene	25	U*	25	UJ	LCS-L	ug/L
360-41640-1	8270	360-41640-7	SB109102	Hexachlorocyclopentadiene	69	U*	69	UJ	LCS-L	ug/Kg
360-41640-1	8270	360-41640-7	SB109102	Phenol	25	U*	25	UJ	LCS-L	ug/L
360-41640-1	8270	360-41640-7	SB109102	Pyridine	170	U*	170	UJ	LCS-L	ug/Kg
360-41640-1	8270	360-41640-7	SB109102	Pyridine	25	U*	25	UJ	LCS-L	ug/L
360-41640-1	CT ETPH	360-41640-28	SS-195	EPTH	420		420	J	MS-L,MS-RPD	mg/Kg
360-41640-1	CT ETPH	360-41640-29	SS-195DUP	EPTH	310		310	J	MS-L,MS-RPD	mg/Kg
360-41849-1	8082	360-41849-14	SS-203	Aroclor-1248	3100		3,100	J	MS-H	ug/Kg
360-41849-1	8082	360-41849-14	SS-203	Aroclor-1254	2200		2,200	J	MS-H	ug/Kg
360-41849-1	8082	360-41849-15	SS-203DUP	Aroclor-1248	3500		3,500	J	MS-H	ug/Kg
360-41849-1	8082	360-41849-15	SS-203DUP	Aroclor-1254	2500		2,500	J	MS-H	ug/Kg
360-42329-1	8270	360-42329-1	SB-109609	Aniline	340	UH *	340	UJ	HT,LCS-L	ug/Kg
360-42329-1	8270	360-42329-2	SB-109621	Aniline	350	UH *	350	UJ	HT,LCS-L	ug/Kg
360-42329-1	8270	360-42329-3	SB-109709	Aniline	350	UH *	350	UJ	HT,LCS-L	ug/Kg
360-42329-1	8270	360-42329-4	SB-109720	Aniline	700	UH *	700	UJ	HT,LCS-L	ug/Kg

TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

		Sample Delivery Group	360-41640-1	360-41640-1	360-41640-1	360-41640-1
Analysis	Parameter	Media	SOIL	SOIL	SOIL	SOIL
		Location	SB1090	SB1091	SB1094	SB1094
	Sample Date	7/12/2012	7/12/2012	7/12/2012	7/12/2012	7/12/2012
	Sample ID	SB109002	SB109102	SB109403	SB109403 DUP	
	Qc Code	FS	FS	FS	FS	FD
	Units	Result	Qualifier	Result	Qualifier	Result
8270	1,2,4,5-Tetrachlorobenzene	ug/L	25 U	25 U	25 U	25 U
8270	1,2,4-Trichlorobenzene	ug/L	25 U	25 U	25 U	25 U
8270	2,4,5-Trichlorophenol	ug/L	25 U	25 U	25 U	25 U
8270	2,4,6-Trichlorophenol	ug/L	25 U	25 U	25 U	25 U
8270	2,4-Dichlorophenol	ug/L	25 U	25 U	25 U	25 U
8270	2,4-Dimethylphenol	ug/L	25 U	25 U	25 U	25 U
8270	2,4-Dinitrophenol	ug/L	25 U	25 U	25 U	25 U
8270	2,4-Dinitrotoluene	ug/L	25 U	25 U	25 U	25 U
8270	2,6-Dinitrotoluene	ug/L	25 U	25 U	25 U	25 U
8270	2-Chloronaphthalene	ug/L	25 U	25 U	25 U	25 U
8270	2-Chlorophenol	ug/L	25 U	25 U	25 U	25 U
8270	2-Methylnaphthalene	ug/L	5 U	5 U	5 U	5 U
8270	2-Methylphenol	ug/L	25 U	25 U	25 U	25 U
8270	2-Nitroaniline	ug/L	25 U	25 U	25 U	25 U
8270	2-Nitrophenol	ug/L	25 U	25 U	25 U	25 U
8270	3 & 4 Methylphenol	ug/L	25 U	25 U	25 U	25 U
8270	3,3'-Dichlorobenzidine	ug/L	25 U	25 U	25 U	25 U
8270	3-Nitroaniline	ug/L	25 U	25 U	25 U	25 U
8270	4,6-Dinitro-2-methylphenol	ug/L	25 U	25 U	25 U	25 U
8270	4-Bromophenyl phenyl ether	ug/L	25 U	25 U	25 U	25 U
8270	4-Chloro-3-methylphenol	ug/L	25 U	25 U	25 U	25 U
8270	4-Chloroaniline	ug/L	25 U	25 U	25 U	25 U
8270	4-Chlorophenyl phenyl ether	ug/L	25 U	25 U	25 U	25 U
8270	4-Nitroaniline	ug/L	25 U	25 U	25 U	25 U
8270	4-Nitrophenol	ug/L	25 UJ	25 UJ	25 UJ	25 UJ
8270	Acenaphthene	ug/L	5 U	5 U	5 U	5 U
8270	Acenaphthylene	ug/L	1.5 U	1.5 U	1.5 U	1.5 U
8270	Aniline	ug/L	25 UJ	25 UJ	25 UJ	25 UJ
8270	Anthracene	ug/L	5 U	5 U	5 U	5 U
8270	Benzo(a)anthracene	ug/L	1.5 U	1.5 U	1.5 U	1.5 U

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TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Sample Delivery Group		360-41640-1	360-41640-1	360-41640-1	360-41640-1
Analysis	Media	SOIL	SOIL	SOIL	SOIL
	Location	SB1090	SB1091	SB1094	SB1094
	Sample Date	7/12/2012	7/12/2012	7/12/2012	7/12/2012
	Sample ID	SB109002	SB109102	SB109403	SB109403 DUP
	Qc Code	FS	FS	FS	FD
Analysis	Parameter	Units	Result Qualifier	Result Qualifier	Result Qualifier
8270	Benzo(a)pyrene	ug/L	1 U	1 U	1 U
8270	Benzo(b)fluoranthene	ug/L	1.5 U	1.5 U	1.5 U
8270	Benzo(ghi)perylene	ug/L	2.5 U	2.5 U	2.5 U
8270	Benzo(k)fluoranthene	ug/L	1.5 U	1.5 U	1.5 U
8270	Bis(2-Chloroethoxy)methane	ug/L	25 U	25 U	25 U
8270	Bis(2-Chloroethyl)ether	ug/L	25 U	25 U	25 U
8270	Bis(2-Chloroisopropyl)ether	ug/L	25 U	25 U	25 U
8270	Bis(2-Ethylhexyl)phthalate	ug/L	10 U	10 U	10 U
8270	Butylbenzylphthalate	ug/L	25 U	25 U	25 U
8270	Carbazole	ug/L	25 U	25 U	25 U
8270	Chrysene	ug/L	5 U	5 U	5 U
8270	Di-n-butylphthalate	ug/L	25 U	25 U	25 U
8270	Di-n-octylphthalate	ug/L	25 U	25 U	25 U
8270	Dibenz(a,h)anthracene	ug/L	2.5 U	2.5 U	2.5 U
8270	Dibenzofuran	ug/L	25 U	25 U	25 U
8270	Diethylphthalate	ug/L	25 U	25 U	25 U
8270	Dimethylphthalate	ug/L	25 U	25 U	25 U
8270	Fluoranthene	ug/L	5 U	5 U	5 U
8270	Fluorene	ug/L	5 U	5 U	5 U
8270	Hexachlorobenzene	ug/L	5 U	5 U	5 U
8270	Hexachlorobutadiene	ug/L	2 U	2 U	2 U
8270	Hexachlorocyclopentadiene	ug/L	25 UJ	25 UJ	25 UJ
8270	Hexachloroethane	ug/L	15 U	15 U	15 U
8270	Indeno(1,2,3-cd)pyrene	ug/L	2.5 U	2.5 U	2.5 U
8270	Isophorone	ug/L	25 U	25 U	25 U
8270	N-Nitrosodi-n-propylamine	ug/L	25 U	25 U	25 U
8270	N-Nitrosodiphenylamine	ug/L	25 U	25 U	25 U
8270	Naphthalene	ug/L	5 U	5 U	5 U
8270	Nitrobenzene	ug/L	25 U	25 U	25 U
8270	Pentachloronitrobenzene	ug/L	25 U	25 U	25 U

TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Analysis	Parameter	Units	Sample Delivery Group	360-41640-1	360-41640-1	360-41640-1	360-41640-1
			Media Location	SOIL SB1090	SOIL SB1091	SOIL SB1094	SOIL SB1094
	Sample Date	7/12/2012		7/12/2012	7/12/2012	7/12/2012	
	Sample ID	SB109002		SB109102		SB109403	SB109403 DUP
	Qc Code	FS		FS		FS	FD
			Result	Qualifier	Result	Qualifier	Result
							Qualifier
8270	Pentachlorophenol	ug/L	5 U		5 U		5 U
8270	Phenanthrene	ug/L	1 U		1 U		1.6
8270	Phenol	ug/L	25 UJ		25 UJ		25 UJ
8270	Pyrene	ug/L	25 U		25 U		25 U
8270	Pyridine	ug/L	25 UJ		25 UJ		25 UJ

TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Sample Delivery Group		360-42329-1	360-42329-1	360-42329-1	360-42329-1					
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270	Aniline	ug/L	250	U	250	U	250	U	250	U

TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Sample Delivery Group		360-41640-1	360-41640-1	360-41849-1	
Analysis	Parameter	Media	BW	BW	
		Location	QC	QC	
Sample Date		7/18/2012	7/19/2012	7/31/2012	
Sample ID		QS-S-071812	QS-S-071912	QS-S-073112	
Qc Code		EB	EB	EB	
Units		Result	Qualifier	Result	
8082	Aroclor-1016	ug/L	0.24 U	0.24 U	
8082	Aroclor-1221	ug/L	0.24 U	0.24 U	
8082	Aroclor-1232	ug/L	0.24 U	0.24 U	
8082	Aroclor-1242	ug/L	0.24 U	0.24 U	
8082	Aroclor-1248	ug/L	0.24 U	0.24 U	
8082	Aroclor-1254	ug/L	0.24 U	0.24 U	
8082	Aroclor-1260	ug/L	0.24 U	0.24 U	
8082	Aroclor-1262	ug/L	0.24 U	0.24 U	
8082	Aroclor-1268	ug/L	0.24 U	0.24 U	

TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Sample Delivery Group	360-41640-1	360-41640-1				
Media	BW	BW				
Location	QC	QC				
Sample Date	7/19/2012	7/20/2012				
Sample ID	QS-S-071912	QS-S-072012				
Qc Code	EB	EB				
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier
CT ETPH	EPTH	mg/L	0.094	U	0.093	U

TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Sample Delivery Group		360-41849-1	360-41849-1	360-42329-1
Analysis Parameter	Media	GW	GW	BW
	Location	P-125	P-126	QC
	Sample Date	7/24/2012	7/23/2012	8/24/2012
	Sample ID	P-125	P-126	QS-S-082412
	Qc Code	FS	FS	EB
Units		Result	Qualifier	Result
8015B	Isobutyl alcohol	mg/L	1 U	1 U
8015B	Methanol	mg/L	1 U	1 U
8015B	n-Butanol	mg/L	1 U	1 U

TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Sample Delivery Group		360-41849-1
Analysis		Media
Parameter		Location
		QC
		7/25/2012
		Sample ID
		QS-S-072512
		Qc Code
		EB
		Units
		Result Qualifier
7196A	Chromium, Hexavalent	mg/L
		0.005 U

TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Sample Delivery Group		360-42329-1	360-42329-1	360-42329-1
Analysis	Media	Soil	Soil	Soil
	Location	SB-1098	SB-1098	SB-1098
	Sample Date	8/20/2012	8/20/2012	8/20/2012
	Sample ID	SB-109801	SB-109801 DUP	SB-109821
	Qc Code	FS	FD	FS
	Units	Result	Qualifier	Result
6010	Chromium	mg/L	0.005 U	0.005 U

TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Analysis	Parameter	Sample Delivery Group		360-41640-1		360-41640-1		360-41640-1		360-41640-1		
		Media Location	Sample Date	SOIL SB1090 7/12/2012	SOIL SB1091 7/12/2012	SOIL SB1094 7/12/2012	SOIL SB109403 7/12/2012	SOIL SB109403 DUP 7/12/2012	SOIL SB109403 DUP 7/12/2012	SOIL SB109403 DUP 7/12/2012	SOIL SB109403 DUP 7/12/2012	
		Sample ID	Qc Code	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270	1,2,4,5-Tetrachlorobenzene	ug/Kg		35 U		34 U		170 U		69 U		
8270	1,2,4-Trichlorobenzene	ug/Kg		35 U		34 U		170 U		69 U		
8270	2,4,5-Trichlorophenol	ug/Kg		35 U		34 U		170 U		69 U		
8270	2,4,6-Trichlorophenol	ug/Kg		35 U		34 U		170 U		69 U		
8270	2,4-Dichlorophenol	ug/Kg		35 U		34 U		170 U		69 U		
8270	2,4-Dimethylphenol	ug/Kg		35 U		34 U		170 U		69 U		
8270	2,4-Dinitrophenol	ug/Kg		35 U		34 U		170 U		69 U		
8270	2,4-Dinitrotoluene	ug/Kg		35 U		34 U		170 U		69 U		
8270	2,6-Dinitrotoluene	ug/Kg		35 U		34 U		170 U		69 U		
8270	2-Chloronaphthalene	ug/Kg		35 U		34 U		170 U		69 U		
8270	2-Chlorophenol	ug/Kg		35 U		34 U		170 U		69 U		
8270	2-Methylnaphthalene	ug/Kg		35 U		34 U		170 U		69 U		
8270	2-Methylphenol	ug/Kg		35 U		34 U		170 U		69 U		
8270	2-Nitroaniline	ug/Kg		170 U		170 U		870 U		350 U		
8270	2-Nitrophenol	ug/Kg		35 U		34 U		170 U		69 U		
8270	3 & 4 Methylphenol	ug/Kg		35 U		34 U		170 U		69 U		
8270	3,3'-Dichlorobenzidine	ug/Kg		70 U		69 U		350 U		140 U		
8270	3-Nitroaniline	ug/Kg		170 U		170 U		870 U		350 U		
8270	4,6-Dinitro-2-methylphenol	ug/Kg		170 U		170 U		870 U		350 U		
8270	4-Bromophenyl phenyl ether	ug/Kg		35 U		34 U		170 U		69 U		
8270	4-Chloro-3-methylphenol	ug/Kg		70 U		69 U		350 U		140 U		
8270	4-Chloroaniline	ug/Kg		70 UJ		69 UJ		350 UJ		140 UJ		
8270	4-Chlorophenyl phenyl ether	ug/Kg		35 U		34 U		170 U		69 U		
8270	4-Nitroaniline	ug/Kg		170 U		170 U		870 U		350 U		
8270	4-Nitrophenol	ug/Kg		170 U		170 U		870 U		350 U		
8270	Acenaphthene	ug/Kg		35 U		34 U		280		250		
8270	Acenaphthylene	ug/Kg		35 U		34 U		170 U		69 U		
8270	Aniline	ug/Kg		35 UJ		34 UJ		170 UJ		69 UJ		
8270	Anthracene	ug/Kg		35 U		34 U		560		490		
8270	Benzo(a)anthracene	ug/Kg		35 U		34 U		1000		820		

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TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Analysis	Parameter	Sample Delivery Group	360-41640-1	360-41640-1	360-41640-1	360-41640-1			
			Media Location	Result	Qualifier	Result	Qualifier		
Sample Date	SB1090		SB1091		SB1094		SB1094		
Sample ID	7/12/2012		7/12/2012		7/12/2012		7/12/2012		
Qc Code	SB109002		SB109102		SB109403		SB109403 DUP		
Units	FS	FS	FS	FS	FD	FD	FD		
8270	Benzo(a)pyrene	ug/Kg	35 U	34 U	850	770			
8270	Benzo(b)fluoranthene	ug/Kg	35 U	34 U	1000	960			
8270	Benzo(ghi)perylene	ug/Kg	35 U	34 U	490	430			
8270	Benzo(k)fluoranthene	ug/Kg	35 U	34 U	500	420			
8270	Bis(2-Chloroethoxy)methane	ug/Kg	35 U	34 U	170 U	69 U			
8270	Bis(2-Chloroethyl)ether	ug/Kg	35 U	34 U	170 U	69 U			
8270	Bis(2-Chloroisopropyl)ether	ug/Kg	35 U	34 U	170 U	69 U			
8270	Bis(2-Ethylhexyl)phthalate	ug/Kg	170 U	170 U	870 U	350 U			
8270	Butylbenzylphthalate	ug/Kg	35 U	34 U	170 U	69 U			
8270	Carbazole	ug/Kg	35 U	34 U	320	280			
8270	Chrysene	ug/Kg	35 U	34 U	910	720			
8270	Di-n-butylphthalate	ug/Kg	170 U	170 U	870 U	350 U			
8270	Di-n-octylphthalate	ug/Kg	35 U	34 U	170 U	69 U			
8270	Dibenz(a,h)anthracene	ug/Kg	35 U	34 U	170 U	69 U			
8270	Dibenzofuran	ug/Kg	35 U	34 U	170 UJ	140 J			
8270	Diethylphthalate	ug/Kg	35 U	34 U	170 U	69 U			
8270	Dimethylphthalate	ug/Kg	35 U	34 U	170 U	69 U			
8270	Fluoranthene	ug/Kg	35 U	34 U	2300	2400			
8270	Fluorene	ug/Kg	35 U	34 U	290	270			
8270	Hexachlorobenzene	ug/Kg	35 U	34 U	170 U	69 U			
8270	Hexachlorobutadiene	ug/Kg	35 U	34 U	170 U	69 U			
8270	Hexachlorocyclopentadiene	ug/Kg	70 UJ	69 UJ	350 UJ	140 UJ			
8270	Hexachloroethane	ug/Kg	35 U	34 U	170 U	69 U			
8270	Indeno(1,2,3-cd)pyrene	ug/Kg	35 U	34 U	450	400			
8270	Isophorone	ug/Kg	35 U	34 U	170 U	69 U			
8270	N-Nitrosodi-n-propylamine	ug/Kg	35 U	34 U	170 U	69 U			
8270	N-Nitrosodiphenylamine	ug/Kg	35 U	34 U	170 U	69 U			
8270	Naphthalene	ug/Kg	35 U	34 U	170 U	69 U			
8270	Nitrobenzene	ug/Kg	35 U	34 U	170 U	69 U			
8270	Pentachloronitrobenzene	ug/Kg	170 U	170 U	870 U	350 U			

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TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Analysis	Parameter	Sample Delivery Group	360-41640-1	360-41640-1	360-41640-1	360-41640-1
		Media Location	SOIL SB1090	SOIL SB1091	SOIL SB1094	SOIL SB1094 7/12/2012 SB109403 DUP
Sample Date	7/12/2012	7/12/2012	7/12/2012	7/12/2012	7/12/2012	7/12/2012
Sample ID	SB109002	SB109102	SB109403	SB109403	SB109403	SB109403
Qc Code	FS	FS	FS	FS	FS	FD
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
8270	Pentachlorophenol	ug/Kg	35 U	34 U	170 U	69 U
8270	Phenanthrene	ug/Kg	35 U	34 U	2100	1700
8270	Phenol	ug/Kg	35 U	34 U	170 U	69 U
8270	Pyrene	ug/Kg	35 U	34 U	1900	1500
8270	Pyridine	ug/Kg	170 UJ	170 UJ	870 UJ	350 UJ

TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Sample Delivery Group		360-42329-1	360-42329-1	360-42329-1	360-42329-1					
Analysis	Parameter	Media	Media	Media	Media					
		Location	Location	Location	Location					
		Sample Date	Sample Date	Sample Date	Sample Date					
		Sample ID	Sample ID	Sample ID	Sample ID					
		Qc Code	Qc Code	Qc Code	Qc Code					
		Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270	Aniline	ug/Kg	340	UJ	350	UJ	350	UJ	700	UJ

TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Sample Delivery Group		360-41640-1	360-41640-1	360-41640-1	360-41640-1	360-41640-1	360-41640-1	360-41640-1	
Analysis	Parameter	Media	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
		Location	CC-10	CC-11	CC-9	SB-1088	SS-162	SS-163	
Sample Date		7/12/2012	7/12/2012	7/12/2012	7/19/2012	7/19/2012	7/19/2012	7/19/2012	
Sample ID		CC-10	CC-11	CC-9	SB-108802	SS-162	SS-163	SS-164	
Qc Code		FS							
Units		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	
8082	Aroclor-1016	ug/Kg	43000 U	7800 U	45000 U	100 U	100 U	110 U	
8082	Aroclor-1221	ug/Kg	43000 U	7800 U	45000 U	100 U	100 U	110 U	
8082	Aroclor-1232	ug/Kg	43000 U	7800 U	45000 U	100 U	100 U	110 U	
8082	Aroclor-1242	ug/Kg	43000 U	7800 U	45000 U	100 U	100 U	110 U	
8082	Aroclor-1248	ug/Kg	43000 U	7800 U	45000 U	100 U	100 U	110 U	
8082	Aroclor-1254	ug/Kg	43000 U	7800 U	45000 U	100 U	120 J	110 U	
8082	Aroclor-1260	ug/Kg	300000	46000	230000	100 U	100 U	110 U	
8082	Aroclor-1262	ug/Kg	43000 U	7800 U	45000 U	100 U	100 U	110 U	
8082	Aroclor-1268	ug/Kg	43000 U	7800 U	45000 U	100 U	100 U	110 U	

TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Sample Delivery Group		360-41640-1	360-41640-1	360-41640-1	360-41640-1	360-41640-1	360-41640-1	360-41640-1						
Analysis	Parameter	Media	Location	Sample Date	Sample ID	Qc Code	Units	Result Qualifier						
8082	Aroclor-1016	ug/Kg	SOIL	SS-165	360-41640-1	SS-166	SOIL	130 U	100 U	100 U	100 U	520 U	110 U	110 U
8082	Aroclor-1221	ug/Kg	SOIL	SS-165	360-41640-1	SS-166	SOIL	130 U	100 U	100 U	100 U	520 U	110 U	110 U
8082	Aroclor-1232	ug/Kg	SOIL	SS-165	360-41640-1	SS-166	SOIL	130 U	100 U	100 U	100 U	520 U	110 U	110 U
8082	Aroclor-1242	ug/Kg	SOIL	SS-165	360-41640-1	SS-166	SOIL	130 U	100 U	100 U	100 U	520 U	110 U	110 U
8082	Aroclor-1248	ug/Kg	SOIL	SS-165	360-41640-1	SS-166	SOIL	550 J	100 U	100 U	100 U	3400 J	340 J	290 J
8082	Aroclor-1254	ug/Kg	SOIL	SS-165	360-41640-1	SS-166	SOIL	360 J	140 J	140 J	100 U	1600 J	190 J	450 J
8082	Aroclor-1260	ug/Kg	SOIL	SS-165	360-41640-1	SS-166	SOIL	130 U	100 U	100 U	100 U	520 U	110 U	110 U
8082	Aroclor-1262	ug/Kg	SOIL	SS-165	360-41640-1	SS-166	SOIL	130 U	100 U	100 U	100 U	520 U	110 U	110 U
8082	Aroclor-1268	ug/Kg	SOIL	SS-165	360-41640-1	SS-166	SOIL	130 U	100 U	100 U	100 U	520 U	110 U	110 U

TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Sample Delivery Group		360-41640-1	360-41640-1	360-41640-1	360-41849-1	360-41849-1	360-41849-1	360-41849-1	
Analysis	Parameter	Media	SOIL	SOIL	SOIL	SED	SED	SOIL	
		Location	SS-200	SS-201	SS-202	SD-T3-N	SD-T3-N	SB-1111	
Sample Date		Sample ID	7/17/2012	7/17/2012	7/17/2012	7/25/2012	7/25/2012	7/30/2012	
Sample ID		Qc Code	SS-200	SS-201	SS-202	SD-T3-N00	SD-T3-N02	SB-111102	
Units		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	
8082	Aroclor-1016	ug/Kg	100 U	100 U	110 U	110 U	140 U	98 U	
8082	Aroclor-1221	ug/Kg	100 U	100 U	110 U	110 U	140 U	98 U	
8082	Aroclor-1232	ug/Kg	100 U	100 U	110 U	110 U	140 U	98 U	
8082	Aroclor-1242	ug/Kg	100 U	100 U	110 U	110 U	190	98 U	
8082	Aroclor-1248	ug/Kg	370 J	210 J	270 J	110 U	140 U	670	
8082	Aroclor-1254	ug/Kg	250 J	200 J	310 J	110 U	140 U	440	
8082	Aroclor-1260	ug/Kg	100 U	100 U	110 U	110 U	140 U	98 U	
8082	Aroclor-1262	ug/Kg	100 U	100 U	110 U	110 U	140 U	98 U	
8082	Aroclor-1268	ug/Kg	100 U	100 U	110 U	110 U	140 U	98 U	

TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Sample Delivery Group		360-41849-1	360-41849-1	360-41849-1	360-41849-1	360-41849-1	360-41849-1	360-41849-1	
Analysis	Parameter	Media	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
		Location	SB-1113	SB-1114	SS-172	SS-173	SS-174	SS-175	
Sample Date		Sample ID	SB-111302	SB-111402	SS-172	SS-173	SS-174	SS-175	
Qc Code		Qc Code	FS	FS	FS	FS	FS	FS	
Units		Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	
8082	Aroclor-1016	ug/Kg	100	U	530	U	510	U	
8082	Aroclor-1221	ug/Kg	100	U	530	U	510	U	
8082	Aroclor-1232	ug/Kg	100	U	530	U	510	U	
8082	Aroclor-1242	ug/Kg	100	U	530	U	510	U	
8082	Aroclor-1248	ug/Kg	140		3400		510	U	
8082	Aroclor-1254	ug/Kg	140		1500		840		
8082	Aroclor-1260	ug/Kg	100	U	530	U	4600		
8082	Aroclor-1262	ug/Kg	100	U	530	U	510	U	
8082	Aroclor-1268	ug/Kg	100	U	530	U	510	U	
							110	U	
							1000		
							6000		
							5900		
							520	U	
							500	U	
							520	U	
							520	U	
							2100	U	
							2100	U	
							2100	U	
							2100	U	
							2100	U	
							2800		
							1100		
							29000		
							520	U	
							2100	U	
							2100	U	

TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Sample Delivery Group		360-41849-1	360-41849-1	360-41849-1	360-41849-1	360-41849-1	360-41849-1	360-41849-1	360-41849-1	
Analysis	Parameter	Media	SOIL							
		Location	SS-177	SS-179	SS-180	SS-181	SS-182	SS-183	SS-184	
		Sample Date	7/31/2012	7/31/2012	7/31/2012	8/3/2012	8/3/2012	8/3/2012	8/3/2012	
		Sample ID	SS-177	SS-179	SS-180	SS-181	SS-182	SS-183	SS-184	
		Qc Code	FS							
		Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	
8082	Aroclor-1016	ug/Kg	100	U	100	U	5000	U	100	U
8082	Aroclor-1221	ug/Kg	100	U	100	U	5000	U	100	U
8082	Aroclor-1232	ug/Kg	100	U	100	U	5000	U	100	U
8082	Aroclor-1242	ug/Kg	100	U	100	U	5000	U	100	U
8082	Aroclor-1248	ug/Kg	100	U	100	U	5000	U	100	U
8082	Aroclor-1254	ug/Kg	100	U	240		9100		240	
8082	Aroclor-1260	ug/Kg	680		1300		41000		720	
8082	Aroclor-1262	ug/Kg	100	U	100	U	5000	U	100	U
8082	Aroclor-1268	ug/Kg	100	U	100	U	5000	U	100	U

TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Sample Delivery Group		360-41849-1	360-41849-1	360-41849-1	360-41849-1	360-41849-1	360-41849-1	360-41849-1	360-41849-1	
Analysis	Parameter	Media	SOIL							
		Location	SS-185	SS-186	SS-187	SS-188	SS-189	SS-190	SS-203	
		Sample Date	8/3/2012	7/30/2012	7/30/2012	7/30/2012	7/30/2012	7/30/2012	7/27/2012	
		Sample ID	SS-185	SS-186	SS-187	SS-188	SS-189	SS-190	SS-203	
		Qc Code	FS							
		Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	
8082	Aroclor-1016	ug/Kg	100	U	110	U	490	U	1000	U
8082	Aroclor-1221	ug/Kg	100	U	110	U	490	U	1000	U
8082	Aroclor-1232	ug/Kg	100	U	110	U	490	U	1000	U
8082	Aroclor-1242	ug/Kg	100	U	110	U	490	U	1000	U
8082	Aroclor-1248	ug/Kg	100	U	110	U	490	U	1000	U
8082	Aroclor-1254	ug/Kg	100	U	280		790		1900	
8082	Aroclor-1260	ug/Kg	310		1300		3300		8900	
8082	Aroclor-1262	ug/Kg	100	U	110	U	490	U	1000	U
8082	Aroclor-1268	ug/Kg	100	U	110	U	490	U	1000	U

TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Sample Delivery Group		360-41849-1	360-41849-1	360-41849-1	360-41849-1	360-41849-1	360-41849-1	360-41849-1	
Analysis	Parameter	Media	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
		Location	SS-203	SS-204	SS-205	SS-206	SS-207	SS-208	
Sample Date		Sample ID	SS-203DUP	SS-204	SS-205	SS-206	SS-207	SS-208	
Qc Code		Qc Code	FD	FS	FS	FS	FS	FS	
Units		Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	
8082	Aroclor-1016	ug/Kg	490 U	110 U	96 U	99 U	100 U	100 U	
8082	Aroclor-1221	ug/Kg	490 U	110 U	96 U	99 U	100 U	100 U	
8082	Aroclor-1232	ug/Kg	490 U	110 U	96 U	99 U	100 U	100 U	
8082	Aroclor-1242	ug/Kg	490 U	110 U	96 U	99 U	100 U	100 U	
8082	Aroclor-1248	ug/Kg	3500 J	540	340	270	100 U	1300	
8082	Aroclor-1254	ug/Kg	2500 J	430	300	170	140	900	
8082	Aroclor-1260	ug/Kg	490 U	310	96 U	99 U	100 U	150	
8082	Aroclor-1262	ug/Kg	490 U	110 U	96 U	99 U	100 U	100 U	
8082	Aroclor-1268	ug/Kg	490 U	110 U	96 U	99 U	100 U	99 U	

TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Sample Delivery Group		360-42329-1	360-42329-1	360-42329-1	360-42329-1
Analysis	Media	Soil	Soil	Soil	Soil
	Location	SB-1089	SB-1107	SB-1107	SS-171
	Sample Date	8/22/2012	8/21/2012	8/21/2012	8/22/2012
	Sample ID	SB-108902	SB-110714	SB-110722	SS-171
	Qc Code	FS	FS	FS	FS
Analysis	Parameter	Units	Result Qualifier	Result Qualifier	Result Qualifier
8082	Aroclor-1016	ug/Kg	110 U	110 U	100 U
8082	Aroclor-1221	ug/Kg	110 U	110 U	100 U
8082	Aroclor-1232	ug/Kg	110 U	110 U	100 U
8082	Aroclor-1242	ug/Kg	110 U	110 U	100 U
8082	Aroclor-1248	ug/Kg	110 U	110 U	100 U
8082	Aroclor-1254	ug/Kg	110 U	1400	310
8082	Aroclor-1260	ug/Kg	110 U	110 U	100 U
8082	Aroclor-1262	ug/Kg	110 U	110 U	100 U
8082	Aroclor-1268	ug/Kg	110 U	110 U	100 U

TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Sample Delivery Group		360-41640-1	360-41640-1	360-41640-1	360-41640-1	360-41640-1	360-41640-1	360-41640-1
Analysis	Parameter	Media	Location	Sample Date	Sample ID	Qc Code	Units	Result Qualifier
CT ETPH	EPTH	SOIL						
		SB-1087	SB-1088	SS-159	SS-160	SS-161	SS-162	SS-163
		7/18/2012	7/19/2012	7/18/2012	7/18/2012	7/18/2012	7/19/2012	7/19/2012
		SB-108702	SB-108802	SS-159	SS-160	SS-161	SS-162	SS-163
		FS						
		Result Qualifier						
		3.3	8.2	36	29	20	29	48

TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Sample Delivery Group		360-41640-1	360-41640-1	360-41640-1	360-41640-1	360-41640-1	360-41640-1	360-41640-1
Analysis	Parameter	Media	Location	Sample Date	Sample ID	Qc Code	Units	Result Qualifier
CT ETPH	EPTH	SOIL	SS-164	SS-165	SS-166	SS-167	SS-194	SS-195
		SS-164	SS-164	7/19/2012	7/19/2012	7/19/2012	7/20/2012	7/20/2012
		FS	FS	SS-164	SS-165	SS-166	SS-194	SS-195
		Result Qualifier						
		40	23	24	21	37	54	420 J

TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Sample Delivery Group		360-41640-1	360-41640-1	360-41640-1	360-41640-1	360-41849-1	360-41849-1
Media	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Location	SS-195	SS-196	SS-197	SS-210	SB-1109	SB-1110	SB-1110
Sample Date	7/20/2012	7/20/2012	7/20/2012	7/20/2012	7/23/2012	7/23/2012	7/23/2012
Sample ID	SS-195DUP	SS-196	SS-197	SS-210	SB-110902	SB-111002	SB-111002
Qc Code	FD	FS	FS	FS	FS	FS	FS
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result
CT ETPH	EPTH	mg/Kg	310	J	1300	63	81
						3.4	U
							240

TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Sample Delivery Group		360-41849-1	360-41849-1	360-41849-1	360-41849-1	360-41849-1	360-41849-1	
Analysis	Parameter	Media	Media	Media	Media	Media	Media	
		Location	Location	Location	Location	Location	Location	
		Sample Date						
		Sample ID						
		Qc Code						
		Units	Result	Qualifier	Result	Qualifier	Result	Qualifier
CT ETPH	EPTH	mg/Kg	35		6.8		130	
							140	
							180	
							98	

TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Sample Delivery Group		360-42329-1	360-42329-1	360-42329-1	360-42329-1	360-42329-1	360-42329-1	360-42329-1	360-42329-1									
Analysis	Parameter	Media	Location	Sample Date	Sample ID	Qc Code	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	
CT ETPH	EPTH	mg/Kg		140				2300		490		22		190		90		290

TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Analysis	Parameter	Sample Delivery Group	360-41849-1	360-41849-1	360-41849-1	360-41849-1	360-42329-1
		Media	SOIL	SOIL	SOIL	SOIL	Soil
	Location	SS-168	SS-168	SS-169	SS-170	SB-1098	
	Sample Date	7/24/2012		7/24/2012		7/24/2012	
	Sample ID	SS-168		SS-168DUP		SS-169	
	Qc Code	FS		FD		FS	
	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier
7196A	Chromium, Hexavalent	mg/Kg	1.6	1.1 U	1.1	1.2	1.3
9045C	pH	PH UNITS	3.82	3.84	3.97	3.85	3.93
SM 2580B	Oxidation Reduction Potential	MV	75	77	45	81	180

TABLE 4
Chemist Review Summary
Cytec - July through August 2012
Wallingford, Connecticut

Sample Delivery Group		360-42329-1	360-42329-1	360-42329-1	360-42329-1
Analysis Parameter	Media	Soil	Soil	Soil	Soil
	Location	SB-1105	SB-1105	SB-1105	SB-1106
	Sample Date	8/23/2012	8/23/2012	8/23/2012	8/23/2012
	Sample ID	SB-110500	SB-110500DUP	SB-110502	SB-110600
	Qc Code	FS	FD	FS	FS
	Units	Result Qualifier	Result Qualifier	Result Qualifier	Result Qualifier
8015B	Isobutyl alcohol	mg/Kg	1.1 U	1 U	1.1 U
8015B	Methanol	mg/Kg	1.1 U	1 U	1.1 U
8015B	n-Butanol	mg/Kg	1.1 U	1 U	1.1 U